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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/918,088	07/30/2001	Steven B. Dawes	SP01-212	2056
75	90 04/08/2004		EXAM	INER
Price, Heneveld, Cooper, DeWitt & Litton			CHIN, PETER	
695 Kenmoor S Post Office Box			ART UNIT	PAPER NUMBER
	Grand Rapids, MI 49501		1731	
			DATE MAILED: 04/08/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s))
	09/918,088	DAWES ET AL.	/
Office Action Summary	Examiner	Art Unit	
	Peter Chin	1731	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 22 De	ecember 2003.		
2a)⊠ This action is FINAL . 2b)☐ This	action is non-final.		
3) Since this application is in condition for allowar	•		
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-44 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-44 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or			
Application Papers			
9) The specification is objected to by the Examine			
10) ☐ The drawing(s) filed on is/are: a) ☐ acce	•		
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex			•
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage	
	,		
Attachment(s)	. 🗖		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 12 2 2 2 3	4)	(PTO-413) Ite atent Application (PTO-152)	

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DETAILED ACTION

1. Claims 1-44 are rejected under 35 U.S.C. 112, first paragraph, as based on a disclosure which is not enabling. The use of a doped silica soot preform, an at least partially sintered "moat" or barrier layer that prevents fluorine from diffusing or migrating from the second portion containing dopant when applied onto the first portion and subsequently stripping the dopant from the second region are critical or essential to the practice of the invention, but not included in the claim(s) is not enabled by the disclosure. See *In re Mayhew*, 527 F.2d 1229, 188 USPQ 356 (CCPA 1976).

2. Claims 1-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dabby (6,474,107) in view of Kanamori et al (5,556,442) and Andrejco (4,812,153).

The claims are rejected for the reasons given in the First Office Action, mailed 9/29/2003.

3. Applicant's arguments have been considered but are deemed unpersuasive of patentability.

It is urged in regard to the 35USC112, paragraph rejection that the present invention does not require sintering or that a barrier layer is formed since it merely exemplary. It is noted that it is the only disclosure and should be reflected in the claims.

In regard to the rejection over the prior art:

It is urged that Dabby sinters in the presence of fluorine. This is an incomplete characterization of Dabby. Figure 6 shows that sintering of the soot cladding at step 98 is performed in a non-fluorine environment. Some fluorine dopant would be expected to leach out. It is also argued that Dabby does not disclose a "moat" which Applicant

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characterizes as a "depressed structure". There appears to be no support for the term "depressed structure". In any case the "moat" reads on the fire polished layer or one of the soot cladding layer absent further physical or chemical definition of the "moat" layer.

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4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Chin whose telephone number is (571) 272-1186. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on (571) 272-1189. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peter Chin Primary Examiner Page 4

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